		Exploring Aero	nautics
		2003 Mathem	natics
		Standard Course	of Study
North Carolina Mathe	matics		
Grade 5			
Activity/Lesson	State	Standards	
Cundomontolo of			I double a stime to and management to a mail to a
Fundamentals of	NO	MA 5 0 00	Identify, estimate, and measure the angles of
Aeronautics (145-176)	NC	MA.5.2.02	plane figures using appropriate tools.
Fundamentals of			Compare and contrast different representations
Fundamentals of	NC	MA 5 4 00	of the same data; discuss the effectiveness of
Aeronautics (145-176)	NC	MA.5.4.02	each representation.
Airplane Control(209-	NO	MA 5 0 00	Identify, estimate, and measure the angles of
256)	NC	MA.5.2.02	plane figures using appropriate tools.
			Develop flexibility in solving problems by
			selecting strategies and using mental
Tools of			computation, estimation, calculators or
Aeronautics(257-326)	NC	MA.5.1.03	computers, and paper and pencil.
			Develop flexibility in solving problems by
			selecting strategies and using mental
The Tools of			computation, estimation, calculators or
Aeronautics	NC	MA.5.1.03	computers, and paper and pencil.
The Resource Center	NC	MA.5.1.01.c	Compare and order rational numbers.
			Develop flexibility in solving problems by
			selecting strategies and using mental
			computation, estimation, calculators or
Science of Flight	NC	MA.5.1.03	computers, and paper and pencil.
Integrating with			Connect model, number word, and number
Aeronautics	NC	MA.5.1.01.a	using a variety of representations.
Integrating with			Make estimates of rational numbers in
Aeronautics	NC	MA.5.1.01.d	appropriate situations.
			Develop flexibility in solving problems by
			selecting strategies and using mental
Integrating with			computation, estimation, calculators or
Aeronautics	NC	MA.5.1.03	computers, and paper and pencil.
Integrating with			Identify, estimate, and measure the angles of
Aeronautics	NC	MA.5.2.02	plane figures using appropriate tools.
			Use algebraic expressions, patterns, and one-
Integrating with			step equations and inequalities to solve
Aeronautics	NC	MA.5.5.02	problems.
			Compare and contrast different representations
Scientific Method(124-			of the same data; discuss the effectiveness of
144)	NC	MA.5.4.02	each representation.
	-		- P
	1	Exploring Aero	nautics
		2003 Mathem	
		Standard Course	
North Carolina Mathe	matics		
Grade 6			
Activity/Lesson	State	Standards	
<b>,</b>			

			Use graphs, tables, and symbols to model and
Fundamentals of			solve problems involving rates of change and
Aeronautics (145-176)	NC	MA.6.5.04	ratios.
Acionaulics (145-170)	INC	IVIA.U.J.U4	Estimate and measure length, perimeter, area,
			angles, weight, and mass of two- and three-
Wings(177-208)	NC	MA.6.2.01	dimensional figures, using appropriate tools.
Willigs(177-200)	INC	IVIA.0.2.0 I	Develop flexibility in solving problems by
			selecting strategies and using mental
Tools of			computation, estimation, calculators or
Aeronautics(257-326)	NC	MA.6.1.07	computers, and paper and pencil.
Aeronaulics(257-320)	INC	IVIA.0.1.07	Develop flexibility in solving problems by
The Tools of			selecting strategies and using mental
The Tools of	NC	MA C 1 07	computation, estimation, calculators or
Aeronautics	NC	MA.6.1.07	computers, and paper and pencil.
			Develop flexibility in solving problems by
			selecting strategies and using mental
Online of Flinks	NO	144 0 4 07	computation, estimation, calculators or
Science of Flight	NC	MA.6.1.07	computers, and paper and pencil.
			Estimate and measure length, perimeter, area,
C	NO		angles, weight, and mass of two- and three-
Science of Flight	NC	MA.6.2.01	dimensional figures, using appropriate tools.
			Connect the model, number word, and number
Integrating with			using a variety of representations, including the
Aeronautics	NC	MA.6.1.01.a	number line.
			Estimate and measure length, perimeter, area,
Integrating with			angles, weight, and mass of two- and three-
Aeronautics	NC	MA.6.2.01	dimensional figures, using appropriate tools.
			Use graphs, tables, and symbols to model and
Integrating with			solve problems involving rates of change and
Aeronautics	NC	MA.6.5.04	ratios.
Scientific Method(124-			Design and conduct experiments or surveys to
144)	NC	MA.6.4.06	solve problems; report and analyze results.
		Exploring Aerona	
		2003 Mathemat andard Course o	
North Carolina Mathe			Study
Grade 7			
Activity/Lesson	State	Standards	
			Collect, organize, analyze, and display data
Fundamentals of			(including box plots and histograms) to solve
Aeronautics (145-176)	NC	MA.7.4.01	problems.
	-		Develop flexibility in solving problems by
			selecting strategies and using mental
Tools of			computation, estimation, calculators or
Aeronautics(257-326)	NC	MA.7.1.03	computers, and paper and pencil.
5.5.1.2.2.1.00(201 020)			Develop flexibility in solving problems by
			selecting strategies and using mental
The Tools of			computation, estimation, calculators or
Aeronautics	NC	MA.7.1.03	computers, and paper and pencil.
, 13.011441100		11.00	pompatoro, and paper and perion.

			Develop flexibility in solving problems by
			selecting strategies and using mental
			computation, estimation, calculators or
Science of Flight	NC	MA.7.1.03	computers, and paper and pencil.
Ocience of Flight	110	IVIA.7.1.03	Identify, analyze, and create linear relations,
			sequences, and functions using symbols,
Integrating with			graphs, tables, diagrams, and written
Aeronautics	NC	MA.7.5.01	descriptions.
Aeronaulics	INC	IVIA.7.3.01	Translate among different representations of
Integrating with			
Integrating with	NC	MA 7 5 00	algebraic expressions, equations and
Aeronautics	NC	MA.7.5.02	inequalities.
Integrating with	NO	NAA 7 5 00	Use and evaluate algebraic expressions, linear
Aeronautics	NC	MA.7.5.03	equations or inequalities to solve problems.
		2003 Mathem Standard Course	
North Carolina Mathe	matics	Standard Course	s of Study
Grade 8			
Activity/Lesson	State	Standards	_
/ totavity/ 2000011	Otato	o turidar do	
Fundamentals of			Collect, organize, analyze, and display data
Aeronautics (145-176)	NC	MA.8.4.01	(including scatterplots) to solve problems.
7101011441100 (110 170)	110	100, 1.0.1	Determine the effect on perimeter, area or
			volume when one or more dimensions of two-
Wings(177-208)	NC	MA.8.2.01	and three-dimensional figures are changed.
vviiige(111 200)	110	100.2.01	Develop flexibility in solving problems by
			selecting strategies and using mental
Tools of			computation, estimation, calculators or
Aeronautics(257-326)	NC	MA.8.1.02	computers, and paper and pencil.
Acronautics(201-020)	110	101/4.0.1.02	Develop flexibility in solving problems by
			selecting strategies and using mental
The Tools of			computation, estimation, calculators or
Aeronautics	NC	MA.8.1.02	computers, and paper and pencil.
Acionaulics	INC	IVIA.0.1.02	Develop flexibility in solving problems by
			selecting strategies and using mental
			computation, estimation, calculators or
Coionas of Flight	NC	MA 9 1 02	
Science of Flight	INC	MA.8.1.02	computers, and paper and pencil.
Into grating with			Apply geometric properties and relationships,
Integrating with	NC	NAA 0 0 00	including the Pythagorean theorem, to solve
Aeronautics	NC	MA.8.3.02	problems.
Integrating with	NC	NAA 0 5 04 -1	Interpret and compare properties of linear
Aeronautics	NC	MA.8.5.01.d	functions from tables, graphs, or equations.